

FIG. 1

PE-AUTHENTICATION
SERVER COMPUTER
DATABASE 30

ID OF PE USER		PE FIELDS	
ID1	31	ROW 1	32
ID2		ROW 2	
.		.	
.		.	
IDm		ROW m	

FIG. 3

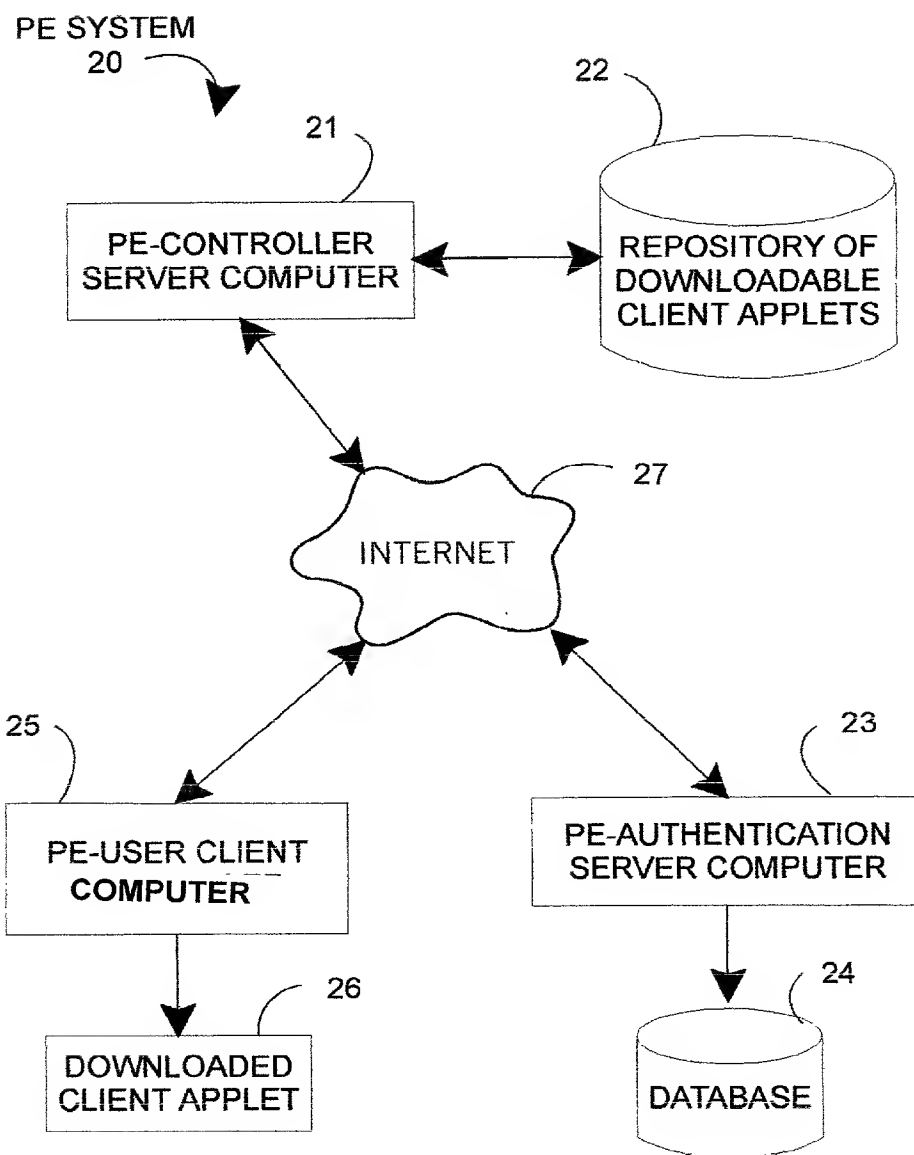


FIG. 2

PE Fields for PE User with Identifier IDi

40

PE Questions: Qi,1, Qi,2, ..., Qi,n	401
System Usage Data	402
Personal Authentication Values: PAVi,1, PAVi,2, ..., PAVi,t	403
Encrypted PE Secret Values: eKi,1(PE_Secret), eKi,2(PE_Secret), ..., eKi,t(PE_Secret)	404
Encrypted PE Answers: ePE_Secret(Ai,1), ePE_Secret(Ai,2), ..., ePE_Secret(Ai,n)	405

Fig. 4

Functional Modules 50

Create PE	51
Recover PE	52
Change PE	53

Fig. 5

PE Client Applet 60

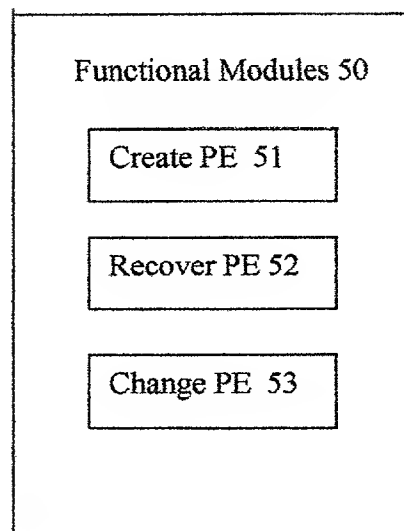


Fig. 6

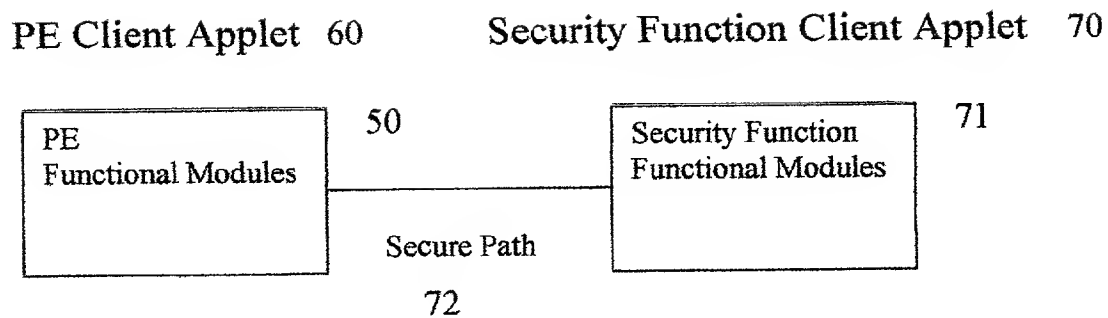


Fig. 7

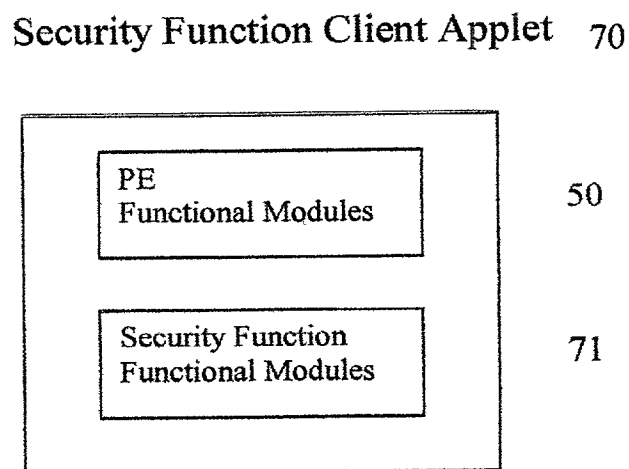
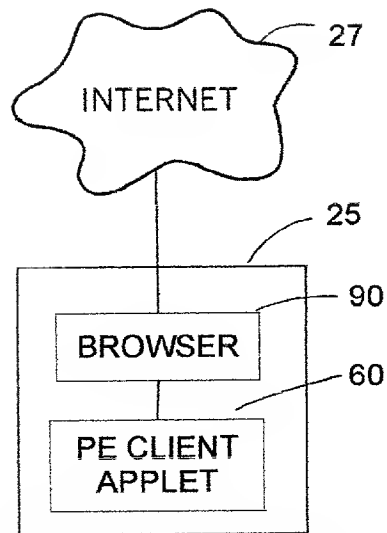
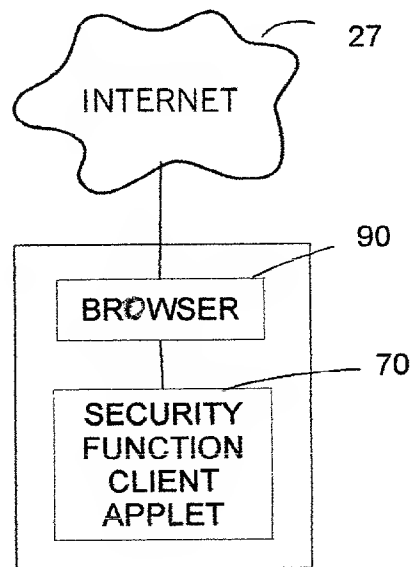


Fig. 8



PE-USER CLIENT COMPUTER
FIG. 9A



PE-USER CLIENT COMPUTER
FIG. 9B

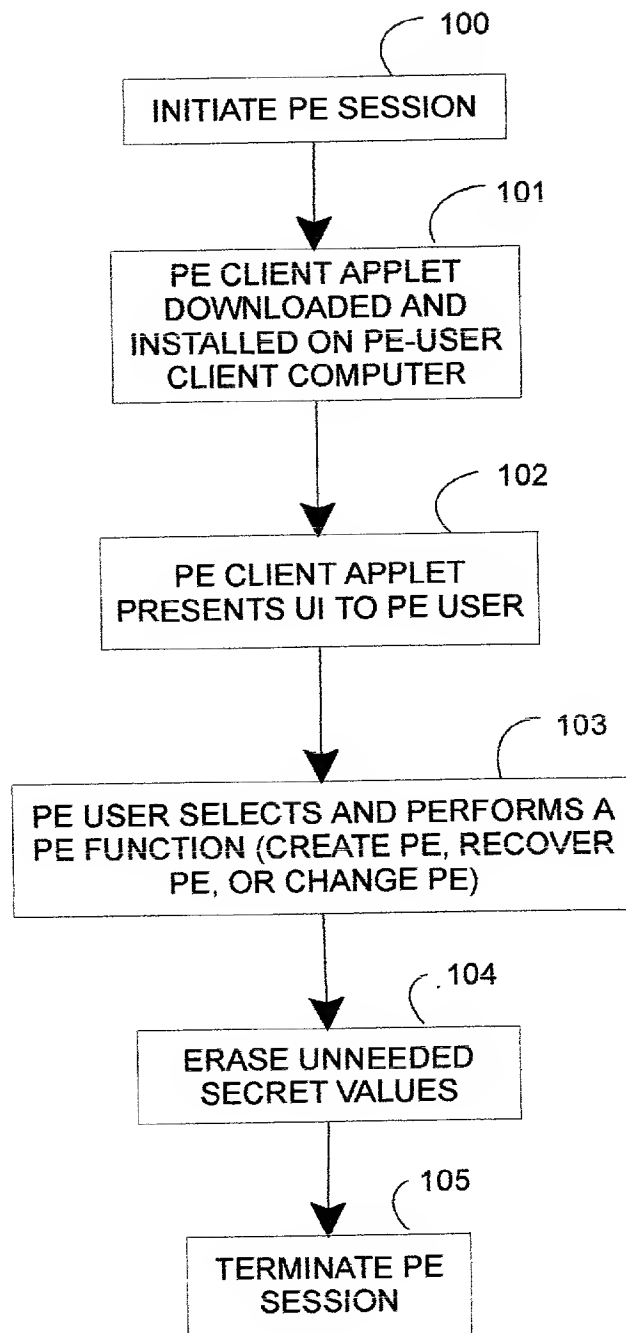


FIG. 10

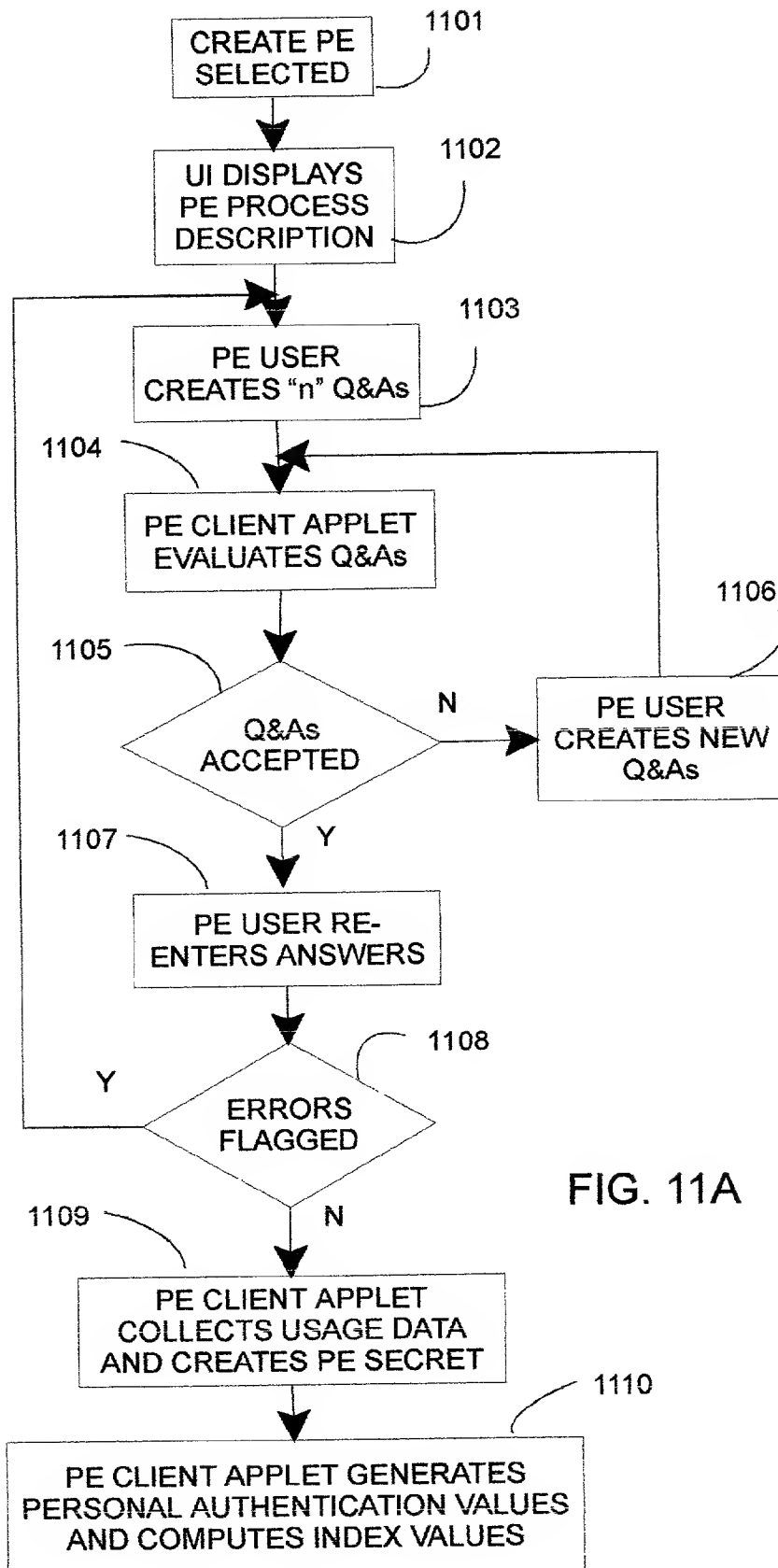


FIG. 11A

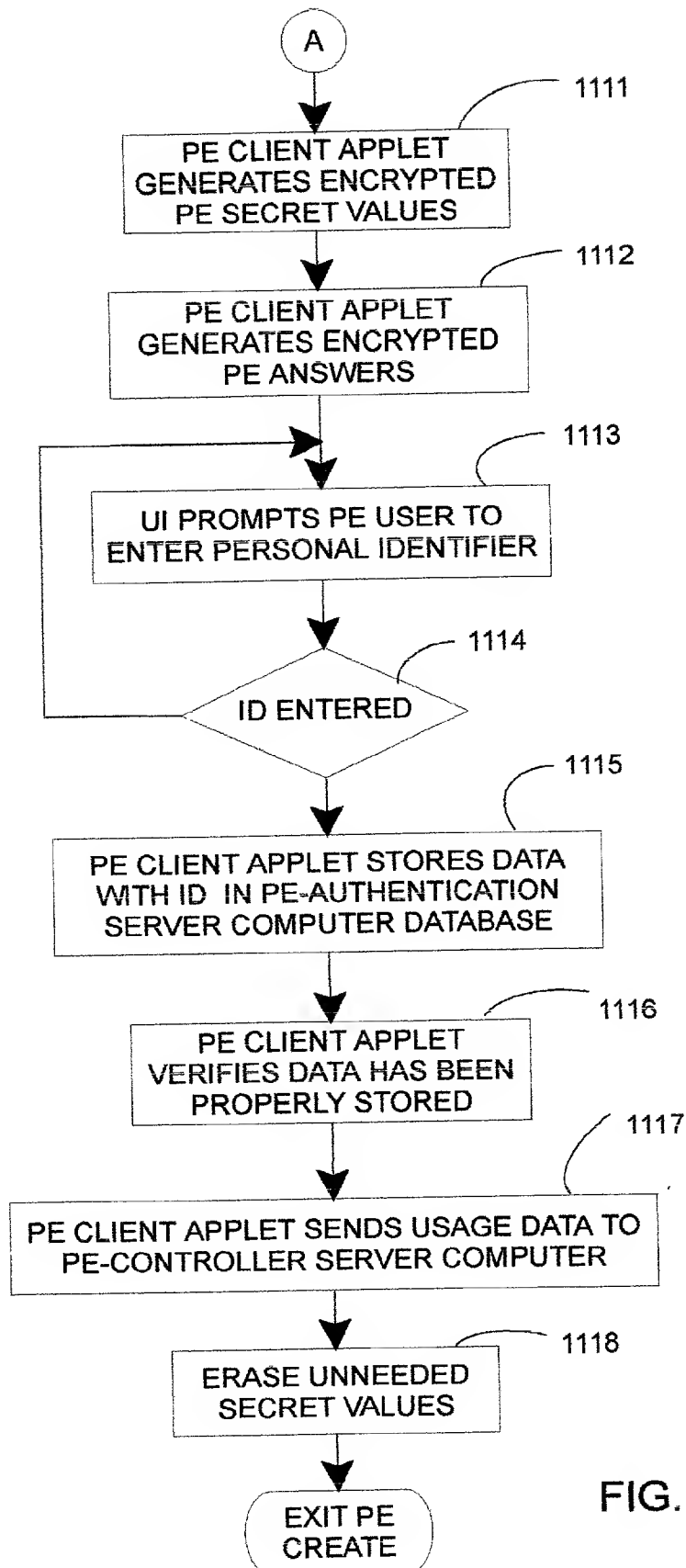


FIG. 11B

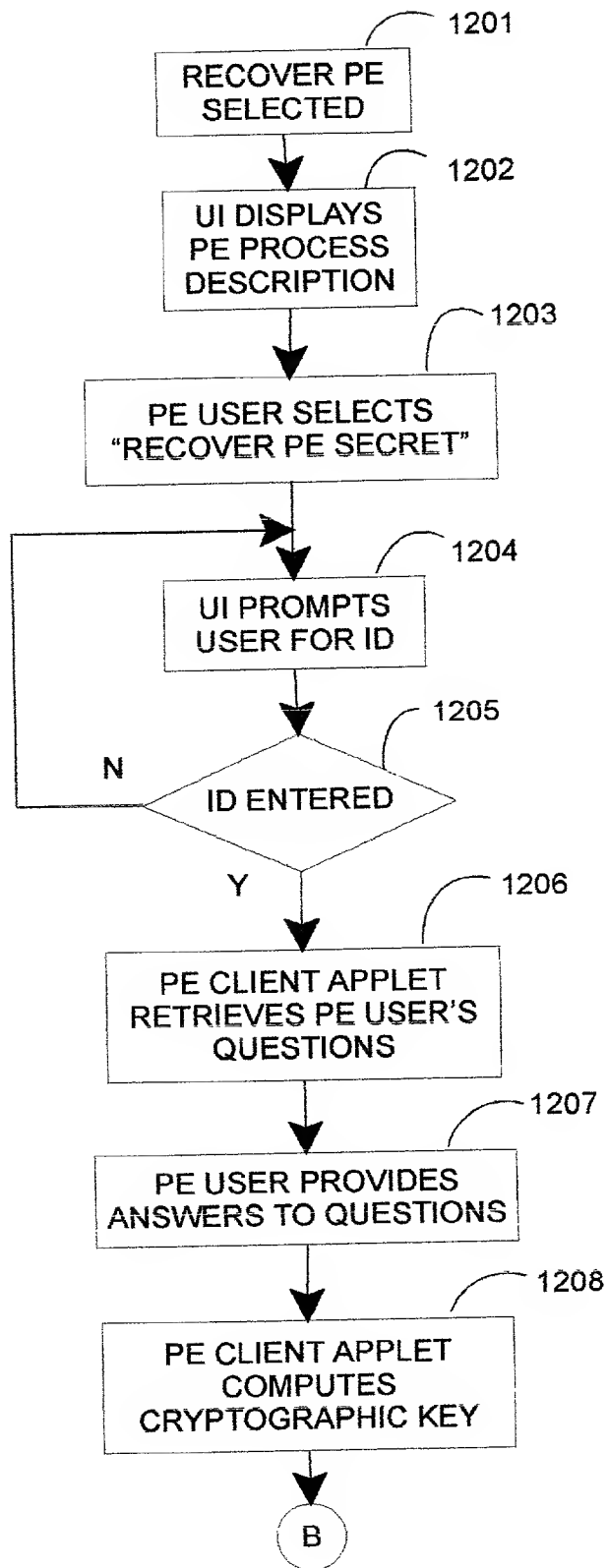


FIG. 12A

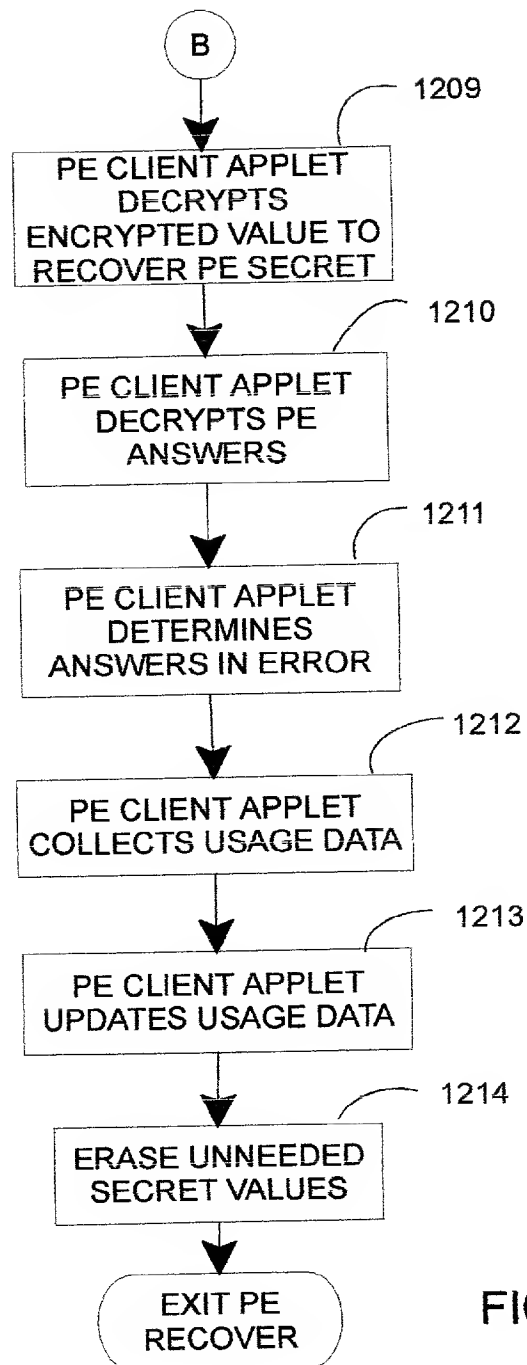
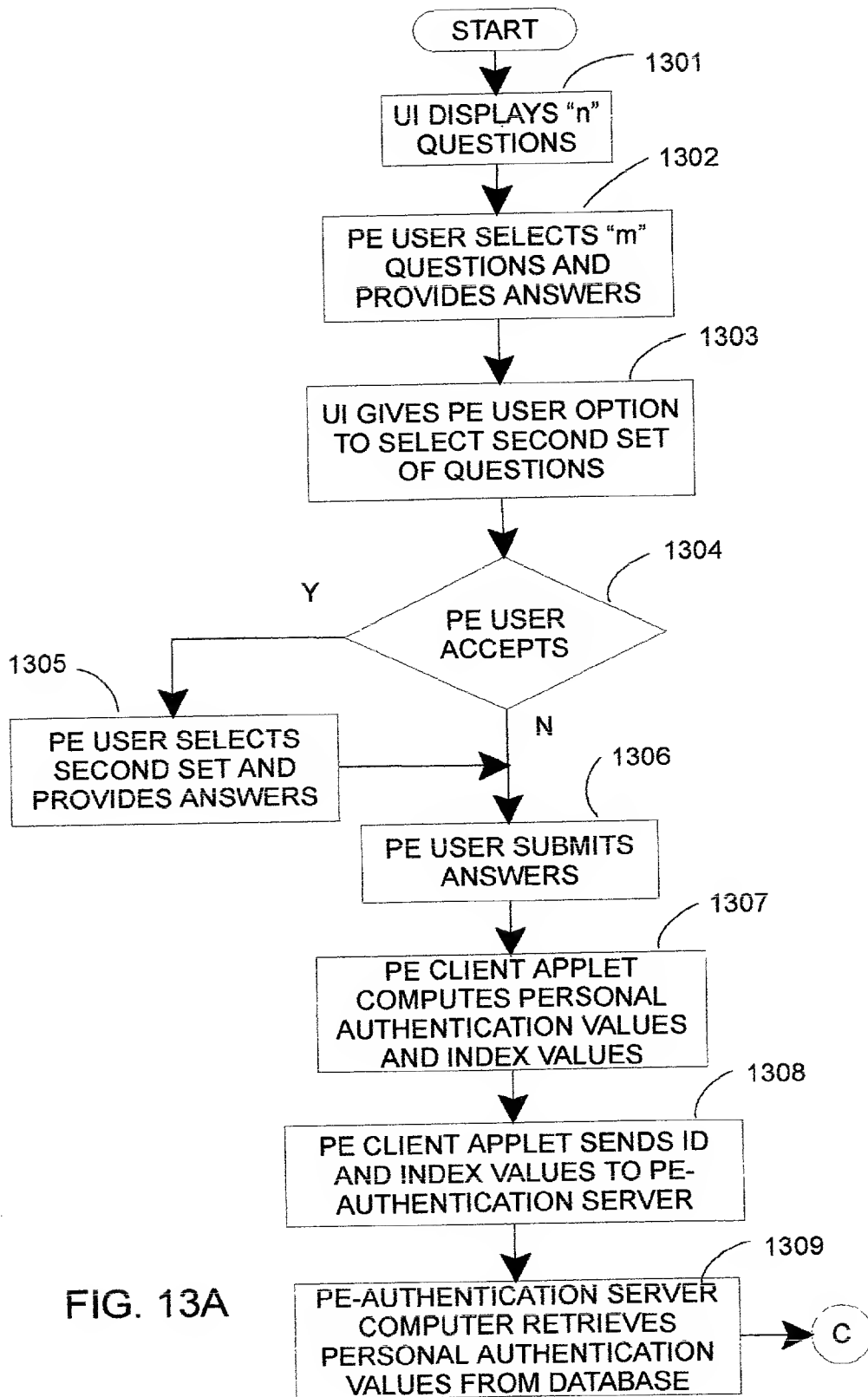


FIG. 12B



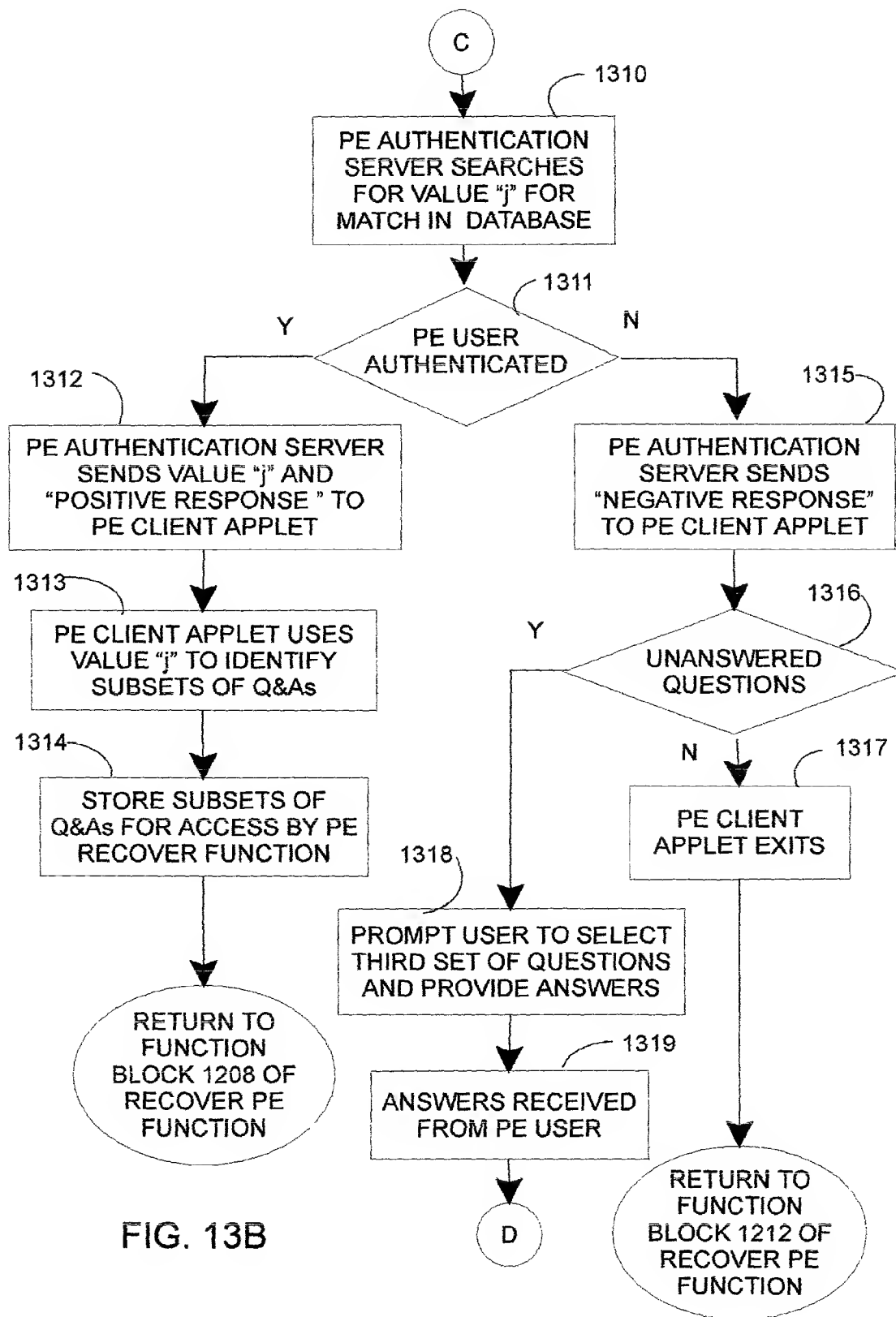
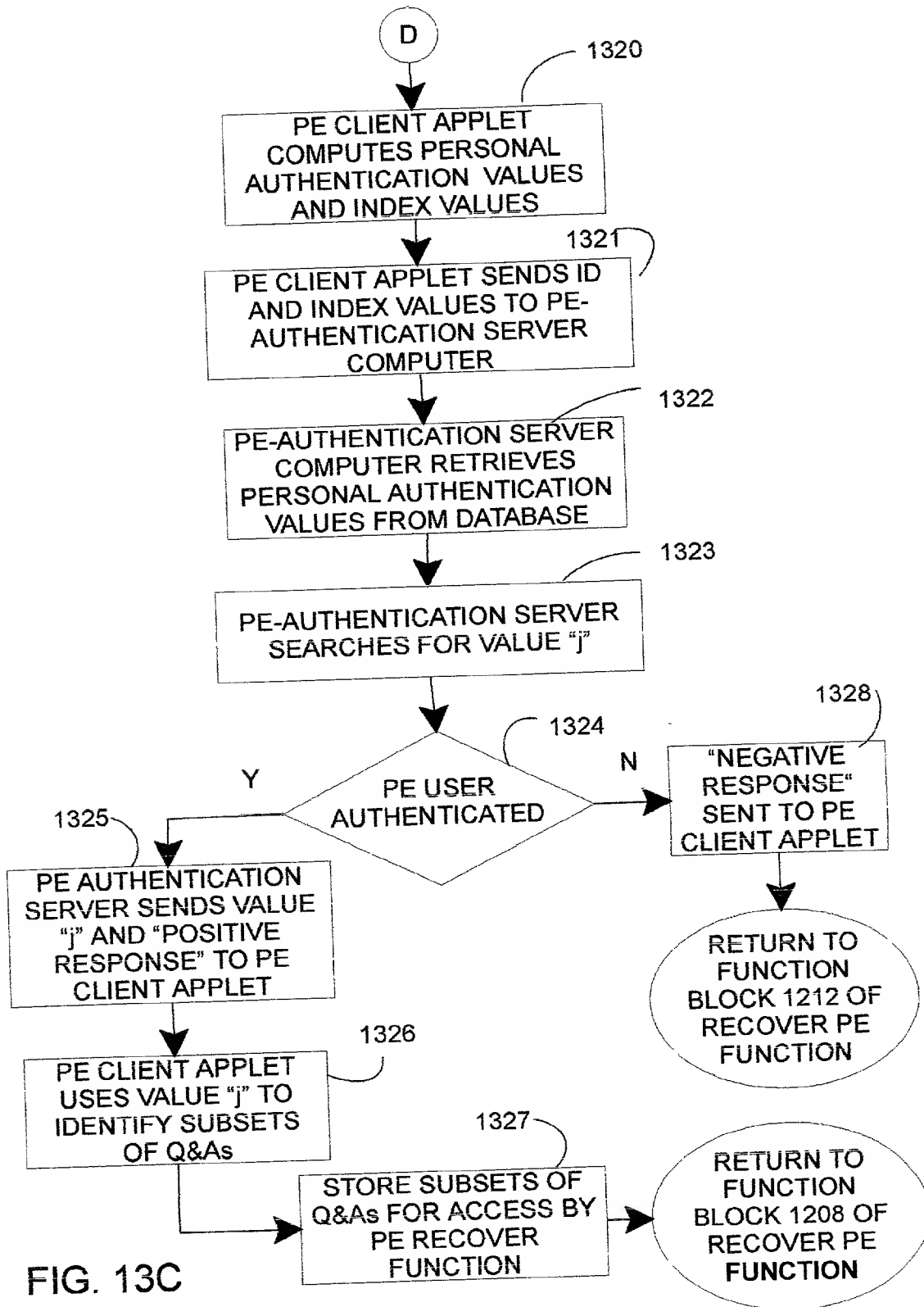
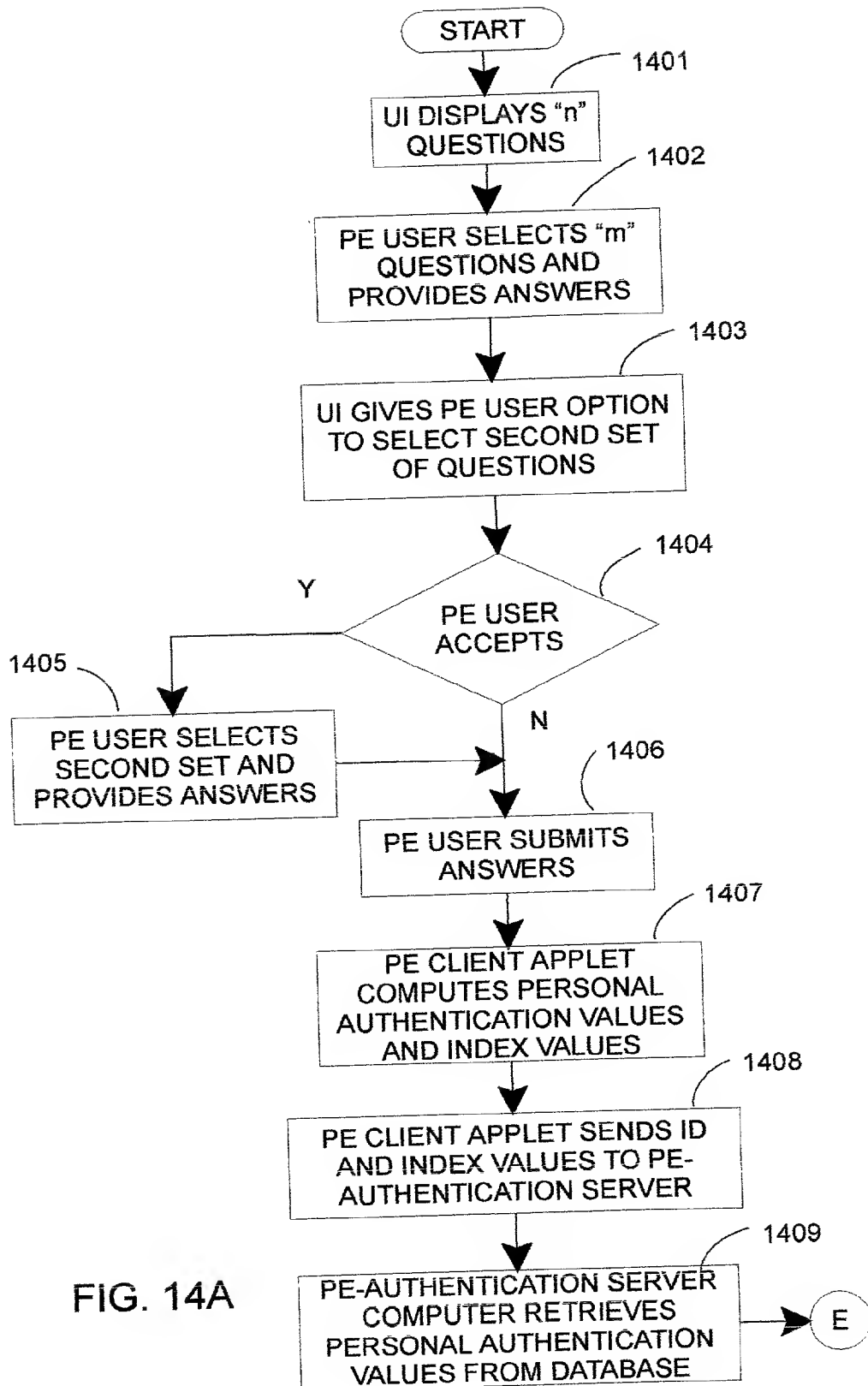
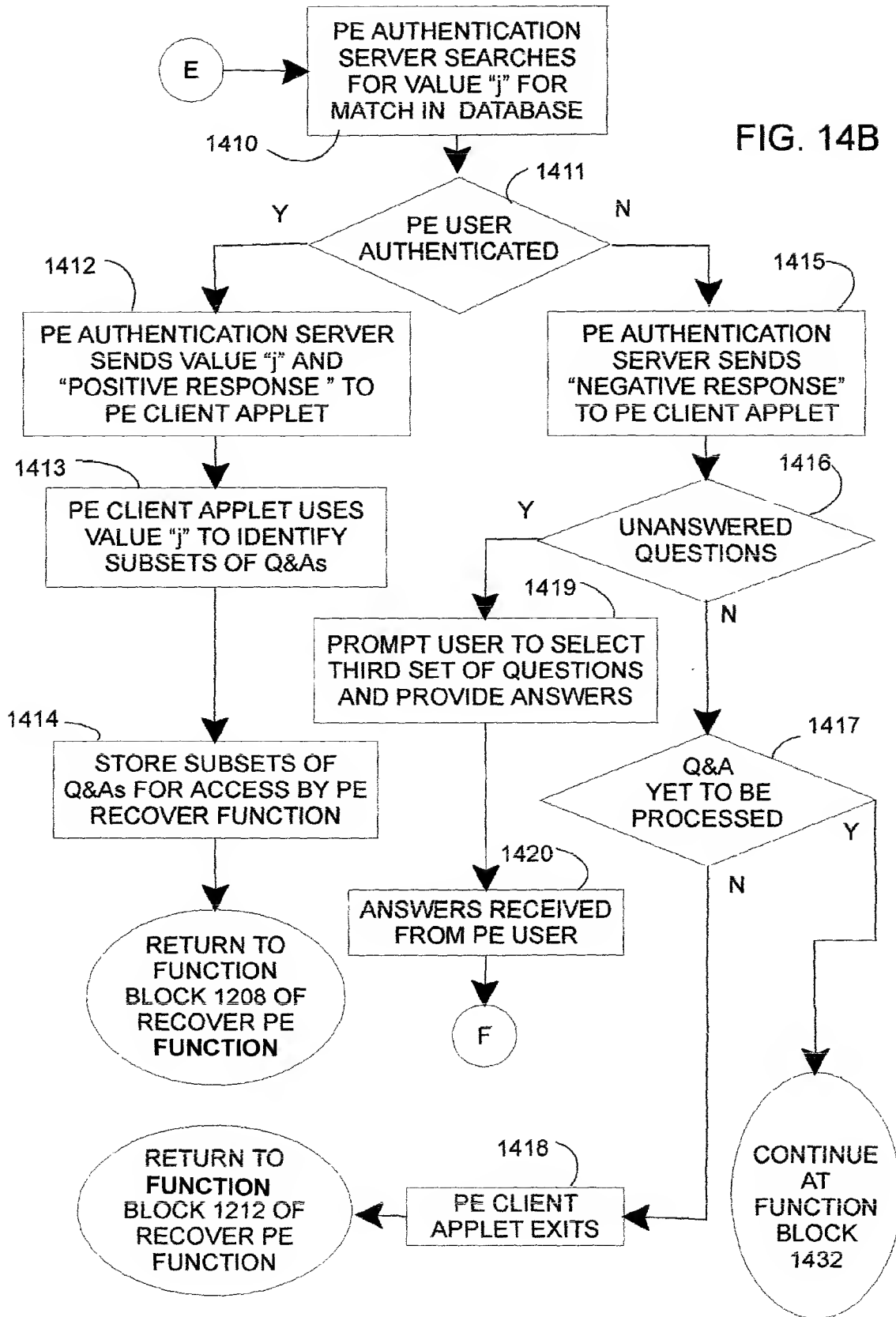
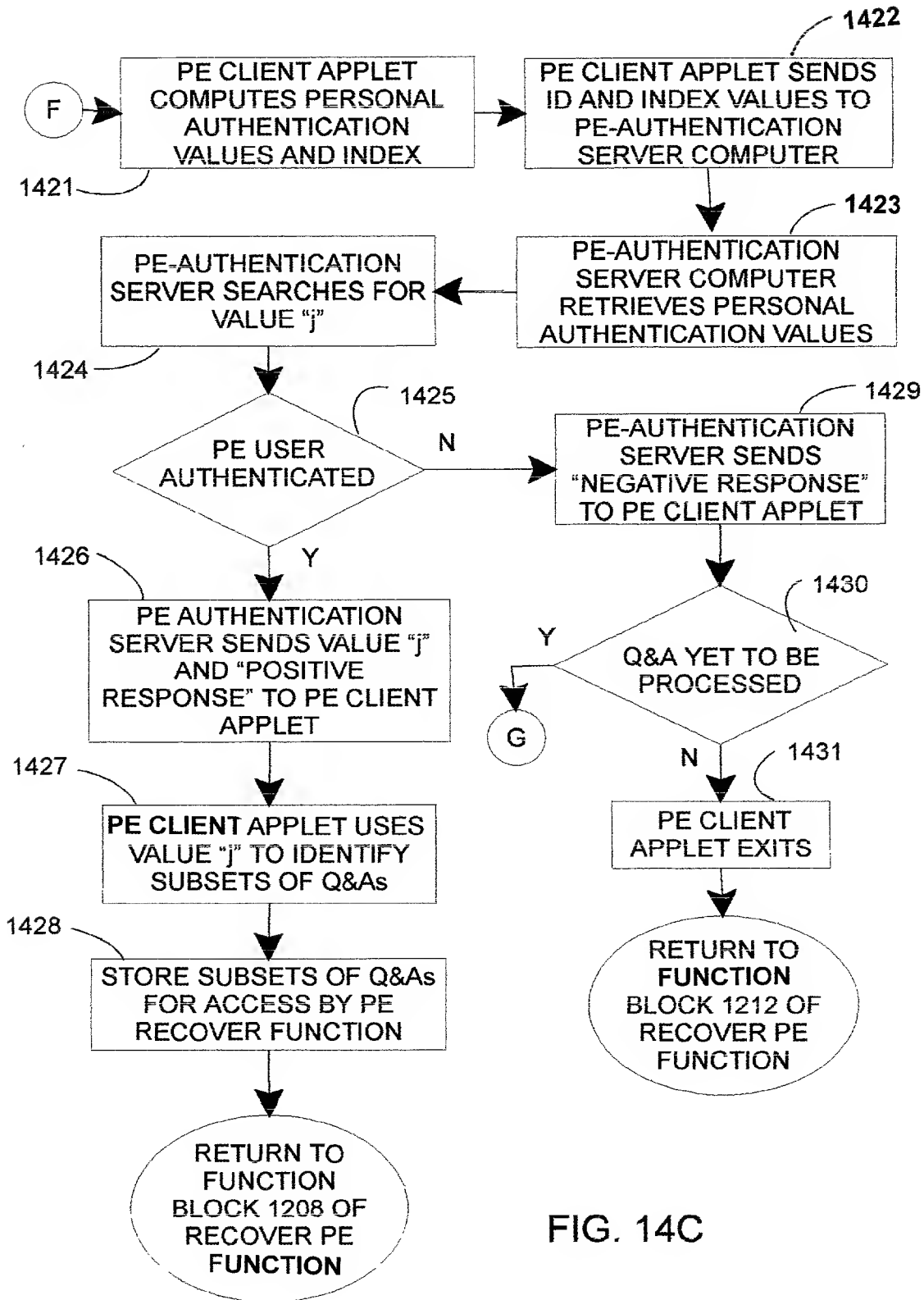


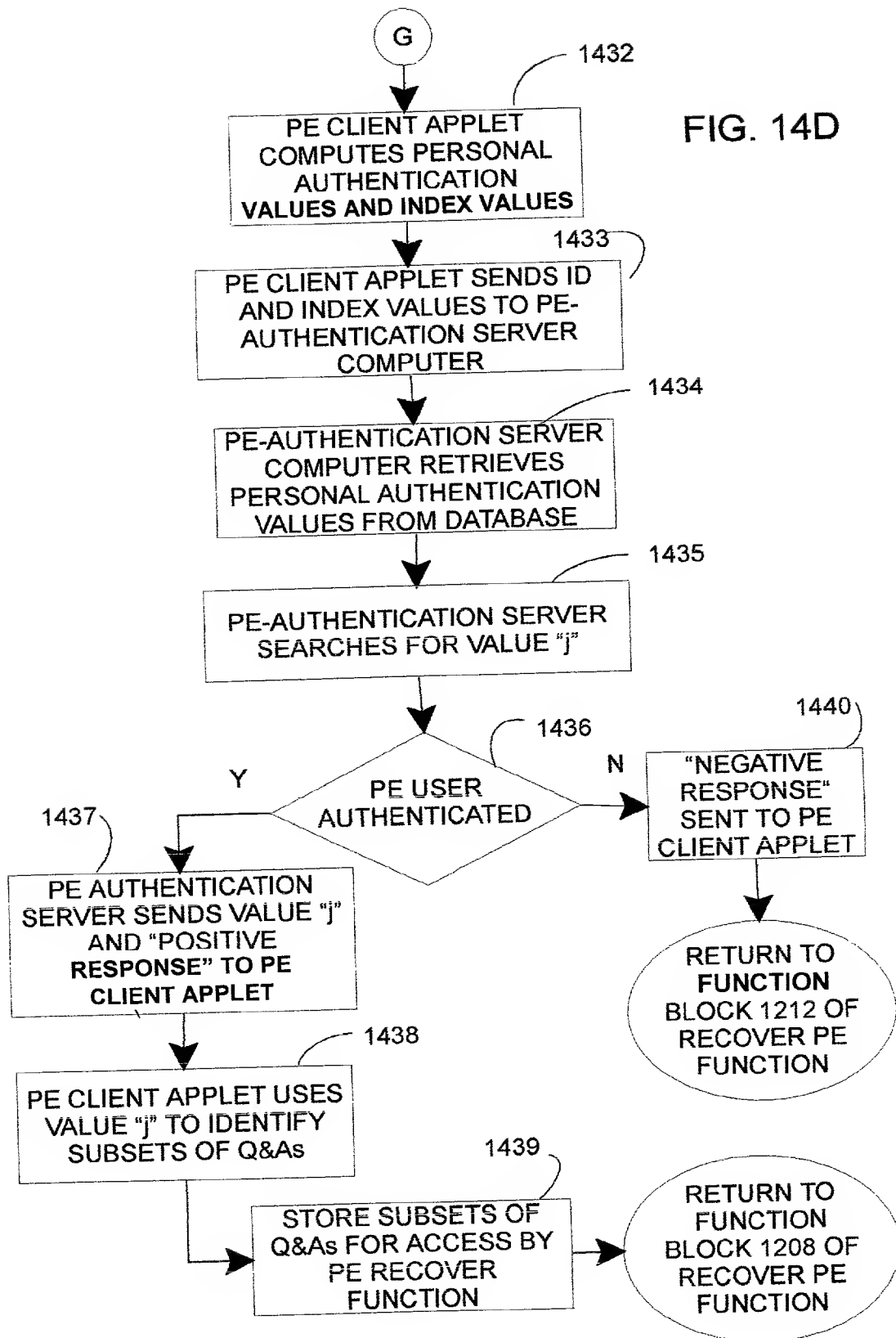
FIG. 13B











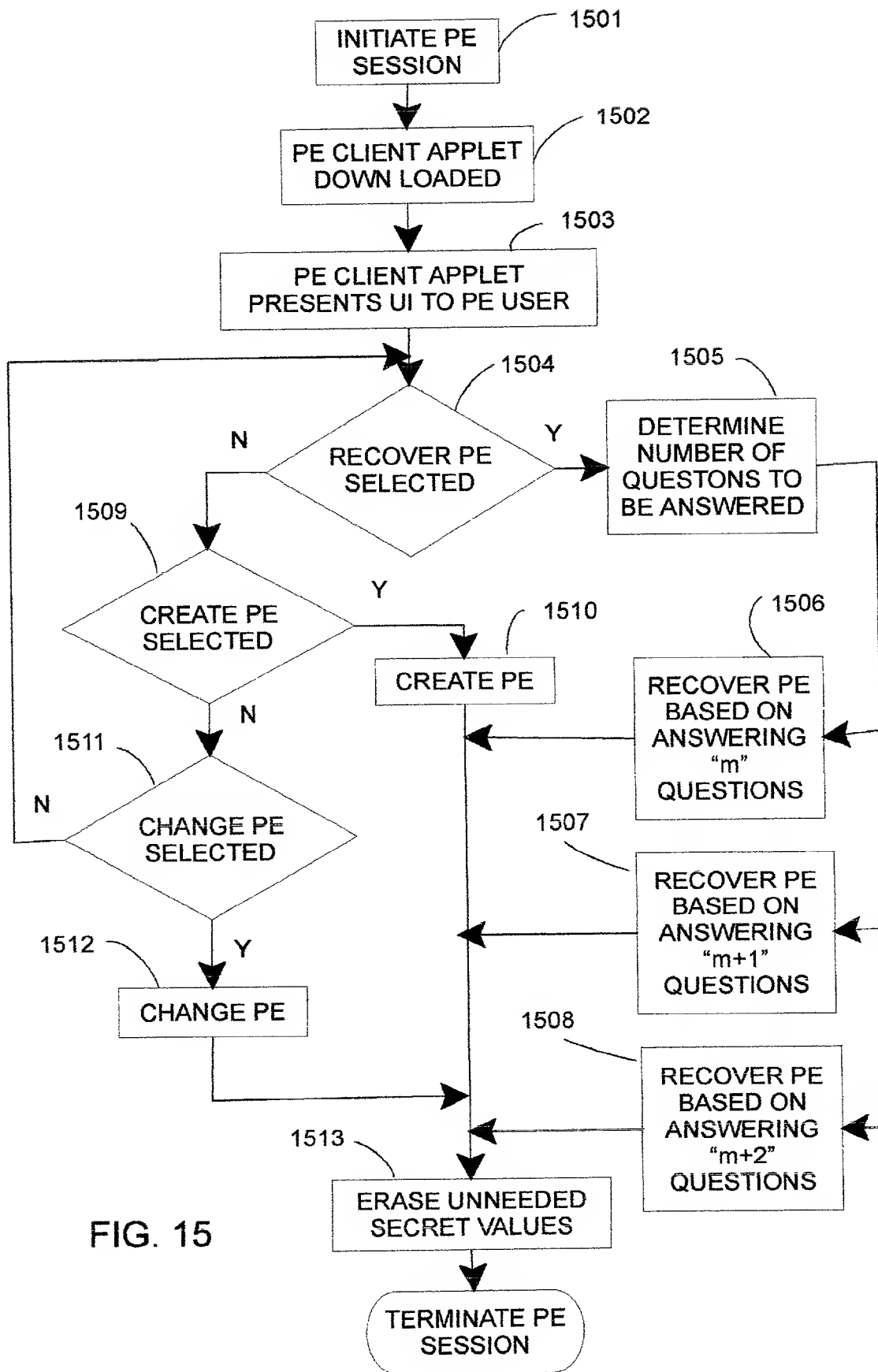


FIG. 15